OWNER IDENTIFICATION OF COLLABORATION WORK OBJECT

Claims

1. A computer system comprising:

a plurality of user systems connected to each other, each user system being adapted to display a work area on a display screen, alternatively a plurality of user systems connected to each other through a computer network,

wherein each of the user systems includes:

a collaboration work controller having a user management table for registering a node identification code given for each of the user systems and an owner identifier related to the node identification code, and an object management table for registering object information related to the node identification code; and

an obtainer for obtaining, based on an event entry for an object, the node identification code related to the object by referring to the object management table, obtaining the owner identifier related to the obtained node identification code by referring to the user management table, and displaying the object on the screen in a manner that the obtained owner identifier can be discriminated from owner identifiers of other objects.

2. The computer system according to claim 1, wherein the event entry is a drawing operation carried out by the owner of the object, alternatively a selection operation carried out by a user other than the owner of the object.

3. The computer system according to claim 1, wherein the owner identifier is displayed at one of starting and finishing points of the object, and at other points of the same by means of superposition.

4. The computer system according to claim 3, further comprising an editor for performing an editing operation including copying, movement, deletion and others for the obtained object.

5. The computer system according to claim 4, wherein the user management table further registers security level information related to the node identification code, and the editing operation is permitted within a range compliant with the security level information.

6. The computer system according to claim 1, further comprising a deletor for deleting or eliminating the displaying of the owner identifier or obtained object on the screen in the manner of being discriminated from the other objects by a timer operation.

7. The computer system according to claims 1, further comprising a session controller for controlling a session for each collaboration work,

wherein the session controller includes a session management table for registering a session identification code for identifying the session, a user identification code for identifying a user taking part in the session, and a node identification code of the user system used by the user, and the session control controller refers to the session management table, and transmits the data to the other user systems taking part in the session regarding all sessions registering the user identification code contained in data sent from the user.

8. A method of identifying a collaboration work object, the object having been created based on collaboration work by using a computer system having a plurality of user systems connected to each other, alternatively a plurality of user systems connected to each other through a computer network, comprising the steps of:

causing one of the user systems to store object data contained in collaboration work data received from the other user systems in an object management table by relating the data to a node identification code of each of the other user systems, and to display an object thereof on a screen of the user system;

obtaining the node identification code by referring to the object management table when the object displayed on the screen is selected;

obtaining an owner identifier related to the obtained node identification code by referring to the user management table of the user system; and

displaying the owner identifier on the screen, by means of superposition at one of starting and finishing points of the selected object, and other points of the same.

9. A method of identifying a collaboration work object, the object having been created based on collaboration work by using a computer system having a plurality of user systems connected to each other, alternatively a plurality of user systems connected to each other through a computer network, comprising the steps of:

causing one of the user systems to store object data contained in collaboration work data received from the other user systems in an object management table by relating the data to a node identification code of each of the other user systems, and to display an object thereof on a screen of the user system;

obtaining, when one of owners taking part in the collaboration work is selected, a node identification code given for a user system of the selected owner by referring to a user management table of the user system;

obtaining objects related to the obtained node identification code by referring to the object management table; and

displaying all the obtained objects on the screen in a manner of discrimination from other objects.

10. The method of identifying a collaboration work object according to claim 9, wherein the displaying of each of the obtained objects on the screen is carried out by superposing an owner identifier related to the selected owner at one of starting and finishing points of the object, and other points of the same.

11. The method of identifying a collaboration work object according to claim 9, further comprising the step of performing an editing work including copying, movement, deletion and others for each of the obtained objects.

12. The method of identifying a collaboration work object according to claim 11, wherein the user management table further registers security level information related to the node identification code, and the editing operation is permitted within a range compliant with the security level information.

13. The method of identifying a collaboration work object according to claim 8, further comprising the steps of:

transmitting, when any one of the plurality of user systems starts collaboration work, user information containing a node identification code thereof and an owner identifier to the other user systems; and

causing the other user systems having received the user information to store in each user management table.

14. The method of identifying a collaboration work object according to claim 8, wherein the displaying of the owner identifier or each of the obtained objects on the screen in the manner of discrimination from the other objects is deleted or eliminated by a timer operation.

15. A computer readable storage medium recording program codes used to control a computer system having a plurality of user systems connected to each other, alternatively a plurality of user systems connected to each other through a computer network,

wherein the program codes include:

a program code for causing one of the user systems to store object data contained in collaboration work data received from the other user systems in an object management

table by relating the data to a node identification code of each of the other user systems, and to display an object thereof on a screen of the user system;

a program code for obtaining, when the object displayed on the screen is selected, the node identification code by referring to the object management table;

a program code for obtaining an owner identifier related to the obtained node identification code by referring to a user management table of the user system; and

a program code for displaying the owner identifier on the screen by means of superposition at one of starting and finishing points of the obtained object, and other points of the same.

16. A computer readable storage medium recording program codes used to control a computer system having a plurality of user systems connected to each other, alternatively a plurality of use systems connected to each other through a computer network,

wherein the program codes include:

a program code for causing one of the user systems to store object data contained in collaboration work data received from the other user systems in an object management

table by relating the data to a node identification code of each of the other user systems, and to display an object thereof on a screen of the user system;

a program code for obtaining, when any one of owners taking part in the collaboration work is selected, a node identification code given for a user system of the selected owner by referring to a user management table of the user system;

a program code for obtaining objects related to the obtained node identification code by referring to the object management table; and

a program code for displaying all the obtained objects on the screen in a manner of discrimination from other objects.